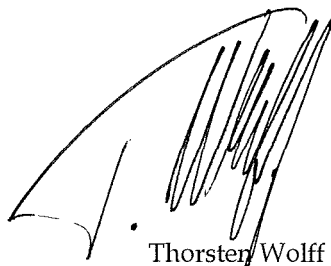


Type Approval Certificate Extension

This is to certify that Certificate No. 98/20060 (E8) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Siemens AG I IA AS RD ST Type Test Werner-von-Siemens-Strasse 50 92224 Amberg Germany
PLACE OF PRODUCTION	Siemens AG Elektronikwerk Werner-von-Siemens-Strasse 50 92224 Amberg Germany
DESCRIPTION	Programmable Logic Controller
TYPES	SIMATIC ET200B comprising the following modules: Electronic blocks (digital input) 6ES7 131 Electronic blocks (digital output) 6ES7 132 Electronic blocks (mixed module) 6ES7 133 Electronic blocks (analogue input) 6ES7 134 Electronic blocks (analogue output) 6ES7 135 Terminal block 6ES7 193 SIMATIC ET200C comprising the following modules: Electronic blocks (digital input) 6ES7 141 Electronic blocks (digital output) 6ES7 142 Electronic blocks (mixed module) 6ES7 143 Electronic blocks (analogue input) 6ES7 144 Electronic blocks (analogue output) 6ES7 145
Certificate No.	98/20060 (E9)
Issue Date	11 June 2013
Expiry Date	10 June 2018
Sheet	1 of 4



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Hamburg Design Support Office
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TYPES CONTINUED

SIMATIC ET200L and L-SC comprising the following modules:

Electronic blocks (digital input)	6ES7 131
Electronic blocks (digital output)	6ES7 132
Electronic blocks (mixed module)	6ES7 133
Interface module	6ES7 138
SC-counter module	6ES7 127
Terminal block	6ES7 193

SIMATIC ET200M comprising the following modules:

Interface module IM 153	6ES7 153
Busmodule	6ES7 195
Interface module Link	6ES7 157
DP/PA Coupler	6ES7 157
DP/DP Coupler	6ES7 158
Y-IM	6ES7 654
Y-Coupler	6ES7 654
BM Y-Coupler	6ES7 654

SIMATIC ET200S comprising the following modules:

Interface module IM151 compact	6ES7151
Interface module IM151	6ES7 151
Electronic module (digital input)	6ES7 131
Electronic module (digital output)	6ES7 132
Electronic module (analogue input)	6ES7 134
Electronic module (analogue output)	6ES7 135
Electronic extension module	6ES7 138
Terminal module	6ES7 193

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TYPES CONTINUED

SIMATIC ET200X comprising the following modules:

Basic and extended module (digital input)	6ES7 141 (*)
Basic and extended module (digital output)	6ES7 142 (*)
Desina BM	6ES7 143 (*)
Desina EM	6ES7 143 (*)
Extended module	6ES7 144 (*)
Extended module	6ES7 145(*)
Basis module	6ES7 147/CPU (*)
Extended module	6ES7 148
Power module	6ES7 148 (*)
Frequency module	6ES7 148
Communication processor	6GK7 142

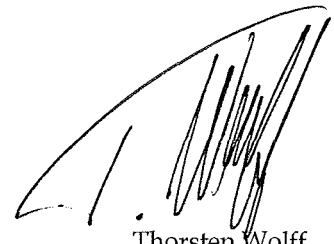
SIMATIC ET200eco comprising the following modules:

Electronic module (digital input)	6ES7 141 (*)
Electronic module (digital output)	6ES7 142 (*)
Electronic module (digital input/ digital output)	6ES7 143 (*)
Terminal block	6ES7 194 (*)
Electronic module (digital input)	6ES7 148 (*)
Bus connector plug, repeater, R 485 terminating element	6ES7 972

SIMATIC ET200eco PN:

Electronic module (digital input)	6ES7 141 (*)
Electronic module (digital output)	6ES7 142 (*)
Electronic module (analogue input)	6ES7 144 (*)
Electronic module (analogue output)	6ES7 145 (*)
Electronic module (digital input/output)	6ES7 147 (*)
IO-Link master	6ES7 148 (*)
Terminal block / mounting rail	6ES7 194 (*)

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TYPES CONTINUED

SIMATIC ET200Pro comprising the following modules:

Interface module	6ES7 154 (*)
Electronic module (digital input)	6ES7 141 (*)
Electronic module (digital output)	6ES7 142 (*)
Electronic module (digital input/output)	6ES7 143 (*)
Electronic module (analogue input)	6ES7 144 (*)
Mounting module/Adapter module	6ES7 194 (*)
Electronic module EM (analogue output)	6ES7 145 (*)
Electronic module EM	6ES7 148 (*)
Power module for electronic modules PM-E	6ES7 148 (*)

SIMATIC SC comprising the following modules:

Terminal block	6ES7 120
Electronic module (digital input)	6ES7 121
Electronic module (digital output)	6ES7 122
Electronic module (analogue input)	6ES7 123
Electronic module (analogue output)	6ES7 124

APPLICATION

Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 (frequency module 6ES7 148 ENV1 and ENV2) components marked with (*) ENV4 (use in power distribution zone) as defined in Lloyd's Register Type Approval System, Test Specification Number 1 - 2002.

OTHER CONDITION


24V power supply lines are to be protected by Dehn Blitzductor order No. 918 402.

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. HDS/ETS 28329-13 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 98/20060 (E8) to which this extension should be attached.

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